

GenCore version 5.1.4-p5.4578  
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OM protein - protein search, using sw model

Run on: March 12, 2003, 02:03:01 ; Search time 109 Seconds  
(without alignments)  
387.269 Million cell updates/sec

Title: US-10-046-433-40

Perfect score: 5306  
Sequence: 1 MAEPGSHHLSARVGRTER.....IGNSNHLPRGLMDLTQCR 1001

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 188354 seqs, 42170167 residues

Total number of hits satisfying chosen parameters: 188354

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCIT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCITUS\_PUBCOMB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5341	97.0	1013	9	US-10-028-072-38
2	5341	97.0	1013	9	US-10-121-049-38
3	5341	97.0	1013	9	US-10-123-904-38
4	5341	97.0	1013	9	US-10-140-470-38
5	5341	97.0	1013	9	US-10-175-746-38
6	5341	97.0	1013	9	US-10-176-918-38
7	5341	97.0	1013	9	US-10-176-921-38
8	5341	97.0	1013	9	US-10-137-865-38
9	5341	97.0	1013	9	US-10-140-474-38
10	5341	97.0	1013	9	US-10-142-431-38
11	5341	97.0	1013	9	US-10-143-114-38
12	5341	97.0	1013	9	US-10-140-002-38
13	1448	26.3	464	9	US-10-002-050-20
14	1448	26.3	464	9	US-10-002-304-20
15	1448	26.3	464	12	US-10-003-152-20
16	1307.5	23.7	411	9	US-10-002-050-10
17	1307.5	23.7	411	9	US-10-002-304-10
18	1307.5	23.7	411	12	US-10-003-152-10
19	889.5	16.2	208	9	US-09-925-299-982

20	889.5	16.2	208	10	US-09-925-299-982	Sequence 982, App
21	273	5.0	81	10	US-09-864-761-39769	Sequence 39769, A
22	251	4.6	1609	9	US-09-938-275-11	Sequence 11, Appl
23	233	4.2	3594	10	US-10-150-821-4	Sequence 4, Appl1
24	233	4.2	3594	10	US-09-911-842-4	Sequence 4, Appl1
25	225	4.1	1607	10	US-09-938-275-10	Sequence 10, Appl1
26	224	4.1	60	10	US-09-864-761-39057	Sequence 39057, A
27	209.5	3.8	3571	9	US-10-150-821-2	Sequence 2, Appl1
28	209.5	3.8	3571	10	US-09-911-842-2	Sequence 2, Appl1
29	192	3.5	1587	10	US-09-845-583-10	Sequence 10, Appl
30	182	3.3	64	10	US-09-864-761-47095	Sequence 47095, A
31	174	3.2	1786	10	US-09-873-676-113	Sequence 113, App
32	174	3.2	1786	10	US-09-938-275-6	Sequence 6, Appl1
33	170	3.1	1786	10	US-09-938-275-7	Sequence 7, Appl1
34	168	3.1	50	10	US-09-864-761-39644	Sequence 39644, A
35	164	3.0	610	9	US-09-802-640-36	Sequence 36, Appl
36	163	3.0	2150	10	US-09-321-987B-2	Sequence 2, Appl1
37	163	3.0	2165	10	US-09-800-729-155	Sequence 155, App
38	163	3.0	3084	10	US-09-938-275-4	Sequence 4, Appl1
39	160.5	2.9	1111	10	US-09-756-071B-15	Sequence 15, Appl
40	160.5	2.9	1193	10	US-09-756-071B-13	Sequence 13, Appl
41	159	2.9	1169	10	US-09-801-368-106	Sequence 106, App
42	158	2.9	1036	10	US-09-995-593A-6	Sequence 6, Appl1
43	158	2.9	1187	10	US-09-995-593A-7	Sequence 7, Appl1
44	158	2.9	1218	9	US-10-219-248-7	Sequence 7, Appl1
45	158	2.9	1218	9	US-10-219-247-7	Sequence 7, Appl1

## ALIGNMENTS

RESULT 1  
US-10-028-072-38  
Sequence 38, Application US/10028072  
Publication No. US20030004311A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Flivartoff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang  
TITLE OF INVENTION:  
FILE REFERENCE:  
CURRENT APPLICATION NUMBER: US/10/028, 072  
CURRENT FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18

[illegible]

PRIOR APPLICATION NUMBER: 60/090429  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090445  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090538  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090863  
 PRIOR FILING DATE: 1998-06-26  
 PRIOR APPLICATION NUMBER: 60/091360  
 PRIOR FILING DATE: 1998-07-01  
 PRIOR APPLICATION NUMBER: 60/091519  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091982  
 PRIOR FILING DATE: 1998-07-07

Query Match 97.0%; Score 5341; DB 9; Length 1013;  
 Best Local Similarity 99.0%; Pred. No. 0;  
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOYTOGTGPELHACKESYHEHYTA 60  
 DB 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOYTOGTGPELHACKESYHEHYTA 60  
 QY 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120  
 DB 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120  
 QY 121 GIREDEMDLPHGFASLSANMELDLSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180  
 DB 121 GIREDEMDLPHGFASLSANMELDLSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180  
 QY 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFHVELNNGNN 240  
 DB 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFHVELNNGNN 240  
 QY 241 VLYMFTAFSVTKPKPVLRNIAITGVATSECFPCPKPTGYADKQSSFCCKCPANSY 300  
 DB 241 VLYMFTAFSVTKPKPVLRNIAITGVATSECFPCPKPTGYADKQSSFCCKCPANSY 300  
 QY 301 SNKGTSCHQCDPKDYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKNAKPKIC 360  
 DB 301 SNKGTSCHQCDPKDYSEKSSSCNVRPACTDKDYFYTHACDANGETOIMYKNAKPKIC 360  
 QY 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQCPCYGSYSNGSDCTRCPCATEPAVG 420  
 DB 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQCPCYGSYSNGSDCTRCPCATEPAVG 420  
 QY 421 FEYKMNLTPTMETTVLSGINEYKGTGMEVAGDHIYTAAGASDNDFMILTIVPGEFR 480  
 DB 421 FEYKMNLTPTMETTVLSGINEYKGTGMEVAGDHIYTAAGASDNDFMILTIVPGEFR 480  
 QY 481 PROSVADTENKEVARITFEVETLCSVNCLEYFMVGVNSRPTNPVEYWKSGKQSYTYI 540  
 DB 481 PROSVADTENKEVARITFEVETLCSVNCLEYFMVGVNSRPTNPVEYWKSGKQSYTYI 540  
 QY 541 IEBNTTSTFAFORTTHEASRKTYNDVAKIYSINNTNWNNGVASYRCPALAESDVG 600  
 DB 541 IEBNTTSTFAFORTTHEASRKTYNDVAKIYSINNTNWNNGVASYRCPALAESDVG 600  
 QY 601 SCTSPAGYIDRDSGTCHSCPNTILKAHOPYGVQACVPCGPKNNKIHSLCYNDCTF 660  
 DB 601 SCTSPAGYIDRDSGTCHSCPNTILKAHOPYGVQACVPCGPKNNKIHSLCYNDCTF 660  
 QY 661 SNTPTPTFNYSALANTVTLAGSPSTSKGLTFHHFTLSLGCNCRKASVCTDNTD 720  
 DB 661 SNTPTPTFNYSALANTVTLAGSPSTSKGLTFHHFTLSLGCNCRKASVCTDNTD 720  
 QY 721 LRTPBESSEKSIAYVOAVIIPPEYTGKAGVSSOPVSLADLLIGTMDTLGITS 780  
 DB 721 LRTPBESSEKSIAYVOAVIIPPEYTGKAGVSSOPVSLADLLIGTMDTLGITS 780  
 QY 781 PALFHLFESLIGIDVIFEFYRNDVTQSCSGRSTTIRVRCSPQKTPVPSLLPGTCSOGT 840  
 DB 781 PALFHLFESLIGIDVIFEFYRNDVTQSCSGRSTTIRVRCSPQKTPVPSLLPGTCSOGT 840

DB 781 PALFHLFESLIGIDVIFEFYRNDVTQSCSGRSTTIRVRCSPQKTPVPSLLPGTCSOGT 840  
 QY 841 CBGCHNHFLEMSAACPCLSVADYHAIYSSVAGIOKTTYVREPKLCSGISTPEORYT 900  
 DB 841 CBGCHNHFLEMSAACPCLSVADYHAIYSSVAGIOKTTYVREPKLCSGISTPEORYT 900  
 QY 901 ICTIDFWLKVGISAGTCAIILTVLTCYFMKKNKOLEYKSKLYMNTLKDCLPADS 960  
 DB 901 ICTIDFWLKVGISAGTCAIILTVLTCYFMKKNKOLEYKSKLYMNTLKDCLPADS 960  
 QY 961 CAIMEGEDVEDDLIFTSKNHSLGR 984  
 DB 961 CAIMEGEDVEDDLIFTSKNHSLGR 984

RESULT 2  
 US-10-121-049-38  
 Sequence 38, Application US/10121049  
 Publication No. US2003002239A1  
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Deforge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P3330R1C17  
 CURRENT APPLICATION NUMBER: US/10/121,049  
 CURRENT FILING DATE: 2002-04-12  
 Prior Application removed - See file wrapper or Palm  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 38  
 LENGTH: 1013  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 FEATURE:  
 NAME/KEY: unsure  
 LOCATION: 877, 882  
 OTHER INFORMATION: unknown amino acid  
 US-10-121-049-38

Query Match 97.0%; Score 5341; DB 9; Length 1013;  
 Best Local Similarity 99.0%; Pred. No. 0;  
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOYTOGTGPELHACKESYHEHYTA 60  
 DB 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOYTOGTGPELHACKESYHEHYTA 60  
 QY 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120  
 DB 61 CDSGSRMRVAVPHTPGICTSLDPVVKTECSFSCNAGEFLDMKDQCKPCAGRSYSLGT 120  
 QY 121 GIREDEMDLPHGFASLSANMELDLSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180  
 DB 121 GIREDEMDLPHGFASLSANMELDLSAESTGNCSTSSKWPBGDYIAFNTDECTATLMA 180  
 QY 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFHVELNNGNN 240  
 DB 181 VNLKSGTVNFEYYPSSIIFFEFVONDQCPNADSRMKTTEKGEHFHVELNNGNN 240

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QY 241 VLYWRTAFSVWTKPKPKVPLVRNIAITGVATYSECPCPKCTYADKOGSSPCCKLPANSY 300
Db 241 VLYWRTAFSVWTKPKPKVPLVRNIAITGVATYSECPCPKCTYADKOGSSPCCKLPANSY 300
QY 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOPLYMKAAPKIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOPLYMKAAPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNCPGFKTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPKCPNCPGFKTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
QY 421 FEYKWMNTLPTNMEETVLSGINFEYKGMTGMEVAGDHIYTAAGASDNDPMILTLVYVGR 480
Db 421 FEYKWMNTLPTNMEETVLSGINFEYKGMTGMEVAGDHIYTAAGASDNDPMILTLVYVGR 480
QY 481 PROSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNTPVETWKSCKGOSTYTI 540
Db 481 PROSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNTPVETWKSCKGOSTYTI 540
QY 541 IEEHTTTSFTWAFORTFHEASRKTYNDVAKIYSINVTNWMNGVASYCRPCALEASDVGS 600
Db 541 IEEHTTTSFTWAFORTFHEASRKTYNDVAKIYSINVTNWMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
Db 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
QY 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLKFHHFTLSLCGNGRKMASCYTDNVD 720
Db 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLKFHHFTLSLCGNGRKMASCYTDNVD 720
QY 721 LRIPESGSGFSKSTAVVCAVITPREVTGYKAGVSSOPSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPESGSGFSKSTAVVCAVITPREVTGYKAGVSSOPSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHLESIGIDPVIFEFYSNDVYOSGSSGRTTIRVCSPOKTPVGSLLPGLTCSDT 840
Db 781 PAELFHLESIGIDPVIFEFYSNDVYOSGSSGRTTIRVCSPOKTPVGSLLPGLTCSDT 840
QY 841 CDGCFNPFHLESAAACPLGSVADYHAIVSSCVAGIOKTYTVMREPLCSGSLSPORPT 900
Db 841 CDGCFNPFHLESAAACPLGSVADYHAIVSSCVAGIOKTYTVMREPLCSGSLSPORPT 900
QY 901 ICTIDFWLKVGISAGTCTAIIITLVLCYFWMKNOKLEKYSKLVNNAATLKDCDLPADS 960
Db 901 ICTIDFWLKVGISAGTCTAIIITLVLCYFWMKNOKLEKYSKLVNNAATLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKNSHSLGR 984
Db 961 CAIMEGEDVEDDLIFTSKNSHSLGR 984

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RESULT 3  
US-10-123-904-38  
Sequence 38, Application US/10123904  
Publication No. US20030022328A1  
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerlitsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Guiney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel

```

; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; PRIORITY FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-123-904-38

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Query Match 97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOYTQCGPELHACKSEHYEYTA 60
Db 1 MAEPGSHHLSARVGRTERIRIPRLMLLMAGTAFOYTQCGPELHACKSEHYEYTA 60
QY 61 CDSTGSRWRAVAPHTPGCLSTLPDPVKGTSCSFCSCNAGEFLDMKQSCPCAEGRYSIGT 120
Db 61 CDSTGSRWRAVAPHTPGCLSTLPDPVKGTSCSFCSCNAGEFLDMKQSCPCAEGRYSIGT 120
QY 121 GIRPEMDLPHGFASLSANMELDSDAESTGNCSSKWVNRGVYIANTDECAATLMA 180
Db 121 GIRPEMDLPHGFASLSANMELDSDAESTGNCSSKWVNRGVYIANTDECAATLMA 180
QY 181 VNLKSGTYNFEYYPDSIIIEFFVONDQCPNADSRMKKTEKGEFHSVELNRGN 240
Db 181 VNLKSGTYNFEYYPDSIIIEFFVONDQCPNADSRMKKTEKGEFHSVELNRGN 240
QY 241 VLYWRTAFSVWTKPKPKVPLVRNIAITGVATYSECPCPKCTYADKOGSSPCCKLPANSY 300
Db 241 VLYWRTAFSVWTKPKPKVPLVRNIAITGVATYSECPCPKCTYADKOGSSPCCKLPANSY 300
QY 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOPLYMKAAPKIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKDYFYTHACDANGETOPLYMKAAPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNCPGFKTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPKCPNCPGFKTNNSTCOPCPYSGSYSGSDCTRCPCAGTEPAVG 420
QY 421 FEYKWMNTLPTNMEETVLSGINFEYKGMTGMEVAGDHIYTAAGASDNDPMILTLVYVGR 480
Db 421 FEYKWMNTLPTNMEETVLSGINFEYKGMTGMEVAGDHIYTAAGASDNDPMILTLVYVGR 480
QY 481 PROSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNTPVETWKSCKGOSTYTI 540
Db 481 PROSVAMADTEKKEVARITFEVETLCSVNCCLYFMVGVNSRTNTPVETWKSCKGOSTYTI 540
QY 541 IEEHTTTSFTWAFORTFHEASRKTYNDVAKIYSINVTNWMNGVASYCRPCALEASDVGS 600
Db 541 IEEHTTTSFTWAFORTFHEASRKTYNDVAKIYSINVTNWMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
Db 601 SCTSCPAGYIIDRDSGTCHSCPPNTILKAHQPYGVQACVPCGPGTKNNKTHSLCYNDCTF 660
QY 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLKFHHFTLSLCGNGRKMASCYTDNVD 720
Db 661 SRNPTPTFTFNYSALANTYTLTAGGPFSTSKGLKFHHFTLSLCGNGRKMASCYTDNVD 720
QY 721 LRIPESGSGFSKSTAVVCAVITPREVTGYKAGVSSOPSLADRLIGVTTDMTLDGITS 780

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Db 721 LRIPEGESFSGKSTIAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Qy 781 PAELFHELSLGIPIVIFYEYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Db 781 PAELFHELSLGIPIVIFYEYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Qy 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGGSISLEPORVT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGGSISLEPORVT 900
Qy 901 ICKTIDFMLKVGISAGTCAILLVLTGYFWMKNOKLEYKYSKLVMMNTLKDCLPAPADS 960
Db 901 ICKTIDFMLKVGISAGTCAILLVLTGYFWMKNOKLEYKYSKLVMMNTLKDCLPAPADS 960
Qy 961 CAIMEGEVEDDLIFTSKNHSLGR 984
Db 961 CAIMEGEVEDDLIFTSKNHSLGR 984

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## RESULT 4

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US-10-140-470-38
; Sequence 38, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; PRIOR APPLICATION DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-140-470-38

```

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 MAERGHSHHSARVGRTERIRIRWLLMAGTAFOVQGTPELHACKESYHYEYTA 60
Db 1 MAERGHSHHSARVGRTERIRIRWLLMAGTAFOVQGTPELHACKESYHYEYTA 60
Qy 61 CDSTGSMRVAVPHTPGICTSLDDPYVKGTECSFSCNAGEFLDKMDKSCPKCAGRYSLGT 120
Db 61 CDSTGSMRVAVPHTPGICTSLDDPYVKGTECSFSCNAGEFLDKMDKSCPKCAGRYSLGT 120
Qy 121 GIRFDEWDELPHGFASISANMELDDSAESTGCTSKKVPKRDYIAFNDECTAILMRA 180
Db 121 GIRFDEWDELPHGFASISANMELDDSAESTGCTSKKVPKRDYIAFNDECTAILMRA 180

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Db 121 GIRFDEWDELPHGFASISANMELDDSAESTGCTSKKVPKRDYIAFNDECTAILMRA 180
Qy 181 VNLKOSGTAVNEYYPPDSIIIEFFVONDOCPAPADSRRMKTTEKGMFEHSEVLNNGN 240
Db 181 VNLKOSGTAVNEYYPPDSIIIEFFVONDOCPAPADSRRMKTTEKGMFEHSEVLNNGN 240
Qy 241 VLYWRTTAFSWTKVPRPVLYRNIAITGVAVYSECPCKRGYADKOGSSFCILCPANSY 300
Db 241 VLYWRTTAFSWTKVPRPVLYRNIAITGVAVYSECPCKRGYADKOGSSFCILCPANSY 300
Qy 301 SNKGETSCHOCDDPKYSEKSSCNVRPACTDKDYFTYTHACDANGETOIMYMAWKATC 360
Db 301 SNKGETSCHOCDDPKYSEKSSCNVRPACTDKDYFTYTHACDANGETOIMYMAWKATC 360
Qy 361 SEDLEGAVKLPAAGVKTHCPNCPNGFPKTNSTOCOPPYSGYSNAGSDCTCPCPAGTEPAVG 420
Db 361 SEDLEGAVKLPAAGVKTHCPNCPNGFPKTNSTOCOPPYSGYSNAGSDCTCPCPAGTEPAVG 420
Qy 421 FEYKMMNTLPNMEETVLSGINFEYKGMTGWEVAGDHIYTAAGASDNDPMILTLVPGFR 480
Db 421 FEYKMMNTLPNMEETVLSGINFEYKGMTGWEVAGDHIYTAAGASDNDPMILTLVPGFR 480
Qy 481 PPOSYMADETEKVARITFEVETLCVNCLEYFVGVNSRTNTEVETWKSCKGQSTYI 540
Db 481 PPOSYMADETEKVARITFEVETLCVNCLEYFVGVNSRTNTEVETWKSCKGQSTYI 540
Qy 541 IEEINTTSFTWAFORTTPEASRKYTNDAKITYSINTNVANGVASYCRPALEASDVGS 600
Db 541 IEEINTTSFTWAFORTTPEASRKYTNDAKITYSINTNVANGVASYCRPALEASDVGS 600
Qy 601 SCTSCPAGYIDRDGTCGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTE 660
Db 601 SCTSCPAGYIDRDGTCGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTE 660
Qy 661 SRNPPTRFNFNFSAANTVTLAGSPSTSGKLYFHHFTLSLCSGNGRKKMSVCTDWTVD 720
Db 661 SRNPPTRFNFNFSAANTVTLAGSPSTSGKLYFHHFTLSLCSGNGRKKMSVCTDWTVD 720
Qy 721 LRIPEGESFSGKSTIAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPEGESFSGKSTIAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Qy 781 PAELFHELSLGIPIVIFYEYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Db 781 PAELFHELSLGIPIVIFYEYRSNDVTQSCSGSRSTTIRVRCSPQKTVPGSLLPGTCSGDT 840
Qy 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGGSISLEPORVT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIQXTTYVXREPKLCSGGSISLEPORVT 900
Qy 901 ICKTIDFMLKVGISAGTCAILLVLTGYFWMKNOKLEYKYSKLVMMNTLKDCLPAPADS 960
Db 901 ICKTIDFMLKVGISAGTCAILLVLTGYFWMKNOKLEYKYSKLVMMNTLKDCLPAPADS 960
Qy 961 CAIMEGEVEDDLIFTSKNHSLGR 984
Db 961 CAIMEGEVEDDLIFTSKNHSLGR 984

```

## RESULT 5

```

US-10-175-746-38
; Sequence 38, Application US/10175746
; Publication No. US2003002270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

```

; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; PRIOR APPLICATION REMOVED - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-175-746-38

```

```

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 MAEPGSHHLSARVGRERRIPRLRLMLAGTAFOYTOGTGPELHACKSESEHYEYTA 60
Db 1 MAEPGSHHLSARVGRERRIPRLRLMLAGTAFOYTOGTGPELHACKSESEHYEYTA 60
Qy 61 CDSTGSRMRVAVPHTPGLCTSLPDPVKGTGECSEFCSCNAGEFLDMKDQSCPCAEGRYSIGT 120
Db 61 CDSTGSRMRVAVPHTPGLCTSLPDPVKGTGECSEFCSCNAGEFLDMKDQSCPCAEGRYSIGT 120
Qy 121 GIREDEWDELPHGFASLSANMELDSAAESTGCTSSKWPVRGDIYAFNTEDECTATLMTYA 180
Db 121 GIREDEWDELPHGFASLSANMELDSAAESTGCTSSKWPVRGDIYAFNTEDECTATLMTYA 180
Qy 181 VNLKOSGVNFEYYPSSIIFFEFYVNDQCPNADSRMKTKTEKMEHSHVELANGNN 240
Db 181 VNLKOSGVNFEYYPSSIIFFEFYVNDQCPNADSRMKTKTEKMEHSHVELANGNN 240
Qy 241 VLYRRTAFSVWTKVPKPVLYRNIAITGVATSECFPCPKGTAYADKOGSSFCCKLCPANSY 300
Db 241 VLYRRTAFSVWTKVPKPVLYRNIAITGVATSECFPCPKGTAYADKOGSSFCCKLCPANSY 300
Qy 301 SNKGETSCHOCDDPKYSEKSSCNVBPACTDKDYFYTHACDANGETOIMYKMAKPKIC 360
Db 301 SNKGETSCHOCDDPKYSEKSSCNVBPACTDKDYFYTHACDANGETOIMYKMAKPKIC 360
Qy 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQCPYSGSYSGSCTCPAGTEPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPNCPNGEFTKNNSTQCPYSGSYSGSCTCPAGTEPAVG 420
Qy 421 FEYKWMNTLPTNMETTYLGSINFEYKGMTGMEVAGDHITTAAGASDNDPMLITLVYVGR 480
Db 421 FEYKWMNTLPTNMETTYLGSINFEYKGMTGMEVAGDHITTAAGASDNDPMLITLVYVGR 480
Qy 481 PPGSVMAADTENKEVARITFEETLCSVNCLEYVAVGNSRTNPVETWKSCKGQSYTYI 540
Db 481 PPGSVMAADTENKEVARITFEETLCSVNCLEYVAVGNSRTNPVETWKSCKGQSYTYI 540
Qy 541 IEEWTTTSFTWAFORTTFHESAKRYTNDVAKIYSINTVNMNGVASYCRPCALEASDVGS 600
Db 541 IEEWTTTSFTWAFORTTFHESAKRYTNDVAKIYSINTVNMNGVASYCRPCALEASDVGS 600
Qy 601 SCTSCPAAGYIYDRSGTCHSCPPNTILKAHOPYGVOACVCPGPGTKNNKTHSLCYNDCTF 660
Db 601 SCTSCPAAGYIYDRSGTCHSCPPNTILKAHOPYGVOACVCPGPGTKNNKTHSLCYNDCTF 660

```

```

Qy 661 SRNTPRTFNYNESALANTVTLAGSPSETSKGLYFHHFTLSLGNQGRKMSVCTDNTVD 720
Db 661 SRNTPRTFNYNESALANTVTLAGSPSETSKGLYFHHFTLSLGNQGRKMSVCTDNTVD 720
Qy 721 LRIPESGFSKSTIYAVCAVLIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPESGFSKSTIYAVCAVLIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Qy 781 PAELFHELSIGIDVIFEFYSNDVOTQSCSSGRSTTIRVRCSPQKTVGSLLPCTSDGT 840
Db 781 PAELFHELSIGIDVIFEFYSNDVOTQSCSSGRSTTIRVRCSPQKTVGSLLPCTSDGT 840
Qy 841 CDGCFHEFLWESAACPLCSVADYHAISSCVAGIOKTTYVWREPKLCSGGSISLPEQRYT 900
Db 841 CDGCFHEFLWESAACPLCSVADYHAISSCVAGIOKTTYVWREPKLCSGGSISLPEQRYT 900
Qy 901 ICTIDFVLKVGISAGTCTAIIITVLTCTYFWKKNQLEKYSKLVNATLKDCLPADS 960
Db 901 ICTIDFVLKVGISAGTCTAIIITVLTCTYFWKKNQLEKYSKLVNATLKDCLPADS 960
Qy 961 CAIMEGEVDEDDILFTSKNSISGR 984
Db 961 CAIMEGEVDEDDILFTSKNSISGR 984

```

```

RESULT 6
US-10-176-918-38
; Sequence 38, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Flivaotit, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; CURRENT FILING DATE: 2002-06-20
; PRIOR APPLICATION REMOVED - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-176-918-38

```

```

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 MAEPGSHHLSARVGRERRIPRLRLMLAGTAFOYTOGTGPELHACKSESEHYEYTA 60
Db 1 MAEPGSHHLSARVGRERRIPRLRLMLAGTAFOYTOGTGPELHACKSESEHYEYTA 60
Qy 61 CDSTGSRMRVAVPHTPGLCTSLPDPVKGTGECSEFCSCNAGEFLDMKDQSCPCAEGRYSIGT 120

```



```

Db 61 CDSTGSRKRVAVPHTPGICTSLSDPVKGTGECSEFCNAGEFLDKKDSCKRCACGRYSLEGT 120
    |||||||
Qy 121 GIREDEWDELPHGRASLSANNELDSDAESTGNTSSKWPBGDYIAFNTEDECTATLMA 180
    |||||||
Db 121 GIREDEWDELPHGRASLSANNELDSDAESTGNTSSKWPBGDYIASNTEDECTATLMA 180
    |||||||
Qy 181 VLKQSGTVNFEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGEFHSVELNNGN 240
    |||||||
Db 181 VLKQSGTVNFEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGEFHSVELNNGN 240
    |||||||
Qy 241 VLYWRTTASVMTKYPKPVLVNIATITGVAATSECFPCPKPTGVADKQSSFCCKCPANSY 300
    |||||||
Db 241 VLYWRTTASVMTKYPKPVLVNIATITGVAATSECFPCPKPTGVADKQSSFCCKCPANSY 300
    |||||||
Qy 301 SNKGESCHQCDPKYSEKSSCNVPRACDIXDYFTHTACDANGETOLMYKNAKPKIC 360
    |||||||
Db 301 SNKGESCHQCDPKYSEKSSCNVPRACDIXDYFTHTACDANGETOLMYKNAKPKIC 360
    |||||||
Qy 361 SEDLEGAVKLPASGVKTHCPNCPGFEKTNNSCTQPCRYGYSNNGSDCTRCPAGTEPAVG 420
    |||||||
Db 361 SEDLEGAVKLPASGVKTHCPNCPGFEKTNNSCTQPCRYGYSNNGSDCTRCPAGTEPAVG 420
    |||||||
Qy 421 FEYKMWNTLPTNMETVLSGINEFYKGMTGWEYAGDHITAGASDNDPMILTLVVPGR 480
    |||||||
Db 421 FEYKMWNTLPTNMETVLSGINEFYKGMTGWEYAGDHITAGASDNDPMILTLVVPGR 480
    |||||||
Qy 481 PPOSVADTENKEVARITFEFTLCVNCLELYFMGVNSRTNTPVETWKGSGKOSYTYI 540
    |||||||
Db 481 PPOSVADTENKEVARITFEFTLCVNCLELYFMGVNSRTNTPVETWKGSGKOSYTYI 540
    |||||||
Qy 541 IEEVNTTSFTWAFORTFHEASRKYTNDVAKIYSINTVMNMGVASYCRPCALASDVGS 600
    |||||||
Db 541 IEEVNTTSFTWAFORTFHEASRKYTNDVAKIYSINTVMNMGVASYCRPCALASDVGS 600
    |||||||
Qy 601 SCTSGPAGYIDRDSGTCHSCPRTILKAHQPYGVACVCPGCTNNKTHLSCTYNDCTF 660
    |||||||
Db 601 SCTSGPAGYIDRDSGTCHSCPRTILKAHQPYGVACVCPGCTNNKTHLSCTYNDCTF 660
    |||||||
Qy 661 SNTTTRTFNNFSLANTVTLAGSPSTSGKLYFHHFTLSLGNNGRMSVCTDNDV 720
    |||||||
Db 661 SNTTTRTFNNFSLANTVTLAGSPSTSGKLYFHHFTLSLGNNGRMSVCTDNDV 720
    |||||||
Qy 721 LRIPEGESFESKITAYVCAVILPEVYTGKAGVSSQPSVLADRLIGVTTDMTLDGITS 780
    |||||||
Db 721 LRIPEGESFESKITAYVCAVILPEVYTGKAGVSSQPSVLADRLIGVTTDMTLDGITS 780
    |||||||
Qy 781 PAELFHLESIGIPDYIFFRSNDVTOSSGSRSTTIRRCSPOKTVPESLLPCTCSGDT 840
    |||||||
Db 781 PAELFHLESIGIPDYIFFRSNDVTOSSGSRSTTIRRCSPOKTVPESLLPCTCSGDT 840
    |||||||
Qy 841 CDCCNHFLMESAAACPLCSVADYHAIVSSVAGIQKTTYVWREPKLCSGGISLPEORVT 900
    |||||||
Db 841 CDCCNHFLMESAAACPLCSVADYHAIVSSVAGIQKTTYVWREPKLCSGGISLPEORVT 900
    |||||||
Qy 901 ICTTIDFWLKVGSACTCAIILTYTCFEMKNOKLEKYSKSLVMAATLKDCLPADS 960
    |||||||
Db 901 ICTTIDFWLKVGSACTCAIILTYTCFEMKNOKLEKYSKSLVMAATLKDCLPADS 960
    |||||||
Qy 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
    |||||||
Db 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
    |||||||

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RESULT 7  
 US-10-176-921-38  
 : Sequence 38, Application US/10176921  
 : Publication No. US20030027276A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Baker, Kevin P.  
 : APPLICANT: Beresini, Maureen  
 : APPLICANT: Defoize, Laura  
 : APPLICANT: Desnoyers, Luc

```

? APPLICANT: Filvaroff, Ellen
? APPLICANT: Gao, Wei-Qiang
? APPLICANT: Gerritsen, Mary E.
? APPLICANT: Goddard, Audrey
? APPLICANT: Godowski, Paul J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Sherwood, Steven
? APPLICANT: Smith, Victoria
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Tumas, Daniel
? APPLICANT: Watanabe, Colin K
? APPLICANT: Wood, William
? APPLICANT: Zhang, Zemin
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
? FILE OF INVENTION: ACIDS ENCODING THE SAME
? FILE REFERENCE: P3330R1C288
? CURRENT APPLICATION NUMBER: US/10/176,921
? PRIOR APPLICATION: 2002-06-20
? PRIOR APPLICATION removed - see file wrapper or Palm
? NUMBER OF SEQ ID NOS: 550
? SEQ ID NO 38
? LENGTH: 1013
? TYPE: PRT
? ORGANISM: Homo Sapien
? FEATURE:
? NAME/KEY: unsure
? LOCATION: 877, 882
? OTHER INFORMATION: unknown amino acid
? US-10-176-921-38

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;  
 Best Local Similarity 99.0%; Pred. No. 0;  
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

Qy 1 MAEGHSHHSARVGRTERIRPLMRLIMAGTAVOYGTGPELHACKESYHET 60
    |||||||
Db 1 MAEGHSHHSARVGRTERIRPLMRLIMAGTAVOYGTGPELHACKESYHET 60
    |||||||
Qy 61 CDSTGSRKRVAVPHTPGICTSLSDPVKGTGECSEFCNAGEFLDKKDSCKRCACGRYSLEGT 120
    |||||||
Db 61 CDSTGSRKRVAVPHTPGICTSLSDPVKGTGECSEFCNAGEFLDKKDSCKRCACGRYSLEGT 120
    |||||||
Qy 121 GIREDEWDELPHGRASLSANNELDSDAESTGNTSSKWPBGDYIAFNTEDECTATLMA 180
    |||||||
Db 121 GIREDEWDELPHGRASLSANNELDSDAESTGNTSSKWPBGDYIASNTEDECTATLMA 180
    |||||||
Qy 181 VLKQSGTVNFEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGEFHSVELNNGN 240
    |||||||
Db 181 VLKQSGTVNFEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGEFHSVELNNGN 240
    |||||||
Qy 241 VLYWRTTASVMTKYPKPVLVNIATITGVAATSECFPCPKPTGVADKQSSFCCKCPANSY 300
    |||||||
Db 241 VLYWRTTASVMTKYPKPVLVNIATITGVAATSECFPCPKPTGVADKQSSFCCKCPANSY 300
    |||||||
Qy 301 SNKGESCHQCDPKYSEKSSCNVPRACDIXDYFTHTACDANGETOLMYKNAKPKIC 360
    |||||||
Db 301 SNKGESCHQCDPKYSEKSSCNVPRACDIXDYFTHTACDANGETOLMYKNAKPKIC 360
    |||||||
Qy 361 SEDLEGAVKLPASGVKTHCPNCPGFEKTNNSCTQPCRYGYSNNGSDCTRCPAGTEPAVG 420
    |||||||
Db 361 SEDLEGAVKLPASGVKTHCPNCPGFEKTNNSCTQPCRYGYSNNGSDCTRCPAGTEPAVG 420
    |||||||
Qy 421 FEYKMWNTLPTNMETVLSGINEFYKGMTGWEYAGDHITAGASDNDPMILTLVVPGR 480
    |||||||
Db 421 FEYKMWNTLPTNMETVLSGINEFYKGMTGWEYAGDHITAGASDNDPMILTLVVPGR 480
    |||||||
Qy 481 PPOSVADTENKEVARITFEFTLCVNCLELYFMGVNSRTNTPVETWKGSGKOSYTYI 540
    |||||||
Db 481 PPOSVADTENKEVARITFEFTLCVNCLELYFMGVNSRTNTPVETWKGSGKOSYTYI 540
    |||||||
Qy 541 IEEVNTTSFTWAFORTFHEASRKYTNDVAKIYSINTVMNMGVASYCRPCALASDVGS 600
    |||||||
Db 541 IEEVNTTSFTWAFORTFHEASRKYTNDVAKIYSINTVMNMGVASYCRPCALASDVGS 600
    |||||||

```

```

QY 601 SCTSCPAGYIDRDSGTCHSCPTNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
Db 601 SCTSCPAGYIDRDSGTCHSCPTNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYFHHFTLSLGCNQRKMSVCTDNVTD 720
Db 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYFHHFTLSLGCNQRKMSVCTDNVTD 720
QY 721 LRIPGEGSGFSKSTAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPGEGSGFSKSTAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PALFHEESLGIPIVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLIPGTCSDGT 840
Db 781 PALFHEESLGIPIVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLIPGTCSDGT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCAVQKTYVWREPKLCSGISLPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCAVQKTYVWREPKLCSGISLPEQRYT 900
QY 901 ICTTDFWLKVGISAGTCTAILTLVLCYFWMKNQKLEYKSKLYMNAATLKDCDLPADS 960
Db 901 ICTTDFWLKVGISAGTCTAILTLVLCYFWMKNQKLEYKSKLYMNAATLKDCDLPADS 960
QY 961 CAIMEGEDEVEDDLITFSKNSLGR 984
Db 961 CAIMEGEDEVEDDLITFSKNSLGR 984

```

# RESULT 8

```

; Sequence 38, Application US/10137865
; Publication No. US20030032156A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Oliang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C154
; CURRENT APPLICATION NUMBER: US/10/137,865
; PRIOR FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-137-865-38

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;  
 Best Local Similarity 99.0%; Pred. No. 0;  
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

QY 1 MAEPGSHHLSARVGRTERIRIRLRLMLMACTAQTAVTQGTGPELHACKESSEHYEYTA 60
Db 1 MAEPGSHHLSARVGRTERIRIRLRLMLMACTAQTAVTQGTGPELHACKESSEHYEYTA 60
QY 61 CDSTGSHWRVAVPHPTDGLTSLDPVKGTECSFSCVAGFELMKOSKPCPCAGRYSLGT 120
Db 61 CDSTGSHWRVAVPHPTDGLTSLDPVKGTECSFSCVAGFELMKOSKPCPCAGRYSLGT 120
QY 121 GTFDEMDDELPHGFASLSANMELDOSAESTGCTSSKWPVRGDIYIAINTDECAATLMTA 180
Db 121 GTFDEMDDELPHGFASLSANMELDOSAESTGCTSSKWPVRGDIYIAINTDECAATLMTA 180
QY 181 VNLKSGTVNFEYIYDSSIIIEFFVONDOCPNADDSRMKKTTEKGEHFHSVLENGNN 240
Db 181 VNLKSGTVNFEYIYDSSIIIEFFVONDOCPNADDSRMKKTTEKGEHFHSVLENGNN 240
QY 241 VLTWRTTASVMTKPKPVLVKNIAITGVAVTSECFPCPKPTVADKOGSSFCPLCPANSY 300
Db 241 VLTWRTTASVMTKPKPVLVKNIAITGVAVTSECFPCPKPTVADKOGSSFCPLCPANSY 300
QY 301 SNKGETSCHQCDPDKYSEKSSSCVNRPACTDKDYETHTACDANGETOIMYKMAKPKIC 360
Db 301 SNKGETSCHQCDPDKYSEKSSSCVNRPACTDKDYETHTACDANGETOIMYKMAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPNCGFEFTNNSTQPCPYGSSNGSDCTRCPTGTEPAYG 420
Db 361 SEDLEGAVKLPASGVKTHCPNCGFEFTNNSTQPCPYGSSNGSDCTRCPTGTEPAYG 420
QY 421 FEYKWMNTLPNTMETVYLSGINFEYKGMTGMEVAGHITTYAACASDNEMILTLVVGFR 480
Db 421 FEYKWMNTLPNTMETVYLSGINFEYKGMTGMEVAGHITTYAACASDNEMILTLVVGFR 480
QY 481 PPOSVADTENKEVARITFEVETLCSVNCBELYPMGVNSRTNPTVETWKSNGKOSYTYI 540
Db 481 PPOSVADTENKEVARITFEVETLCSVNCBELYPMGVNSRTNPTVETWKSNGKOSYTYI 540
QY 541 IEEWTTTSFTMAFORTEHESRKYNDVAKIYSINVTVMNGVASYCPALASDVGS 600
Db 541 IEEWTTTSFTMAFORTEHESRKYNDVAKIYSINVTVMNGVASYCPALASDVGS 600
QY 601 SCTSCPAGYIDRDSGTCHSCPTNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
Db 601 SCTSCPAGYIDRDSGTCHSCPTNTILKAHOPYGVACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYFHHFTLSLGCNQRKMSVCTDNVTD 720
Db 661 SRNPTPTFNYSALANTVTLTAGGSEFTSKGLKYFHHFTLSLGCNQRKMSVCTDNVTD 720
QY 721 LRIPGEGSGFSKSTAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPGEGSGFSKSTAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PALFHEESLGIPIVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLIPGTCSDGT 840
Db 781 PALFHEESLGIPIVIFFRSNDVYQSCSSGRSTTIRVCSPOKTVPGSLIPGTCSDGT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCAVQKTYVWREPKLCSGISLPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCAVQKTYVWREPKLCSGISLPEQRYT 900
QY 901 ICTTDFWLKVGISAGTCTAILTLVLCYFWMKNQKLEYKSKLYMNAATLKDCDLPADS 960
Db 901 ICTTDFWLKVGISAGTCTAILTLVLCYFWMKNQKLEYKSKLYMNAATLKDCDLPADS 960
QY 961 CAIMEGEDEVEDDLITFSKNSLGR 984
Db 961 CAIMEGEDEVEDDLITFSKNSLGR 984

```

RESULT 9  
 US-10-140-474-38  
 ; Sequence 38, Application US/10140474  
 ; Publication No. US20030032156A1



```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C162
; CURRENT APPLICATION NUMBER: US/10/140,474
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-140-474-38

```

```

Query Match          97.0%; Score 5341; DB 9; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

```

QY 1 MAEPGSHLSARVKGTERIRIPRLRLMLLMACTAFQVTOGTPELHACKESYHETRA 60
D 1 MAEPGSHLSARVKGTERIRIPRLRLMLLMACTAFQVTOGTPELHACKESYHETRA 60
QY 61 CDSTGSKWRAVPHPTGCTSLDPAVKGTECSNCNAGEFLDKKDSCKPCAGRSLSGT 120
D 61 CDSTGSKWRAVPHPTGCTSLDPAVKGTECSNCNAGEFLDKKDSCKPCAGRSLSGT 120
QY 121 GIRDEWDELPHGFASISANMELDDSAESTGCTSKWVPRGDYIAFNTDECTATLMA 180
D 121 GIRDEWDELPHGFASISANMELDDSAESTGCTSKWVPRGDYIAFNTDECTATLMA 180
QY 181 VNLKOSTVNEFYYPDSSTIFPEFVONDOCCORNADDSRMKKTTEGMEHSELNNGN 240
D 181 VNLKOSTVNEFYYPDSSTIFPEFVONDOCCORNADDSRMKKTTEGMEHSELNNGN 240
QY 241 VLYRRTAFSVMTKVPKPVLYRNIAITGVAVTSECFCKRGYADKOGSSEFKLCPANSY 300
D 241 VLYRRTAFSVMTKVPKPVLYRNIAITGVAVTSECFCKRGYADKOGSSEFKLCPANSY 300
QY 301 SNKGETSCHODPDKYSEKSSSCNVRPACTDKDYFYTHACADANGETOLMYMAKFKIC 360
D 301 SNKGETSCHODPDKYSEKSSSCNVRPACTDKDYFYTHACADANGETOLMYMAKFKIC 360
QY 361 SEDLEGAVKLPASGVKTHPCPCNGCFKTTNNSTQPCPYSGSYSGSCPTCPAGTEPAVG 420
D 361 SEDLEGAVKLPASGVKTHPCPCNGCFKTTNNSTQPCPYSGSYSGSCPTCPAGTEPAVG 420
QY 421 FEYKMWNTLPNNMETTVLSGINFYKGTGWEVAGDHIYTAAGASDNDFMLTLVVEGFR 480
D 421 FEYKMWNTLPNNMETTVLSGINFYKGTGWEVAGDHIYTAAGASDNDFMLTLVVEGFR 480
QY 481 PPOSVMADETENKEVARITFEETLCVNCELYPMVGVSRTNTEVEYTWKSGKQOSTYI 540
D 481 PPOSVMADETENKEVARITFEETLCVNCELYPMVGVSRTNTEVEYTWKSGKQOSTYI 540

```

```

D 481 PPOSVMADETENKEVARITFEETLCVNCELYPMVGVSRTNTEVEYTWKSGKQOSTYI 540
QY 541 IEEVNTTTSFTWAQRTTFHNASRKYNDVAKIYSINVTNMGVASCYRCPALASDVG 600
D 541 IEEVNTTTSFTWAQRTTFHNASRKYNDVAKIYSINVTNMGVASCYRCPALASDVG 600
QY 601 SCTSCPAGYIYDRSGTCHSCPPNTILKAHQPYGVQACVPCGPTKNNKIHSLCYNDCTP 660
D 601 SCTSCPAGYIYDRSGTCHSCPPNTILKAHQPYGVQACVPCGPTKNNKIHSLCYNDCTP 660
QY 661 SRNTPRTFVNFNSALANVTLAGGSPSTGKLYFHFTLSLCSGNGRRMSVCTDND 720
D 661 SRNTPRTFVNFNSALANVTLAGGSPSTGKLYFHFTLSLCSGNGRRMSVCTDND 720
QY 721 LRPEGESGFSKSTAAVCAVITPREVTGKAGVSSQPSLADRLGVTYTDMDLTGITS 780
D 721 LRPEGESGFSKSTAAVCAVITPREVTGKAGVSSQPSLADRLGVTYTDMDLTGITS 780
QY 781 PAELFHLESIGIPVIFEFYRSNDVTQSCSGRSTTIRVCSPOKTVPGSLLPRTCSGDT 840
D 781 PAELFHLESIGIPVIFEFYRSNDVTQSCSGRSTTIRVCSPOKTVPGSLLPRTCSGDT 840
QY 841 CDGCFHFLWMSAACPCLSYADYHAYVSSVAGIOKTTVWVREPILCSGGSISLEPQRYT 900
D 841 CDGCFHFLWMSAACPCLSYADYHAYVSSVAGIOKTTVWVREPILCSGGSISLEPQRYT 900
QY 901 ICKTIDFWLKAGISAGTCTALLTVLCYFWRKNOKLEYKYSKLYMNAATLKDCDLPADS 960
D 901 ICKTIDFWLKAGISAGTCTALLTVLCYFWRKNOKLEYKYSKLYMNAATLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
D 961 CAIMEGEDVEDDLIFTSKNHSLGR 984

```

```

RESULT 10
US-10-142-431-38
; Sequence 38, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C251
; CURRENT APPLICATION NUMBER: US/10/142,431
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-142-431-38

```

Query Match 97.0%; Score 5341; DB 9; Length 1013;  
 Best Local Similarity 99.0%; Pred. No. 0;  
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHLSARVGRTERRIPLRLMLLWAGAFVYTGTEGELHACKSEHYEYTA 60  
 DB 1 MAEPGSHLSARVGRTERRIPLRLMLLWAGAFVYTGTEGELHACKSEHYEYTA 60  
 QY 61 CDSTGSRMRVAVPHTPGLCTSLDPVKGT ECFSCNAGEFLDMKDQSKPCAEGRYSLGT 120  
 DB 61 CDSTGSRMRVAVPHTPGLCTSLDPVKGT ECFSCNAGEFLDMKDQSKPCAEGRYSLGT 120  
 QY 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSSKWPVRGDIYAFNTDECTATLMTYA 180  
 DB 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSSKWPVRGDIYAFNTDECTATLMTYA 180  
 QY 181 VNLKOSGTVNEEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGMERHVELNNGNN 240  
 DB 181 VNLKOSGTVNEEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGMERHVELNNGNN 240  
 QY 241 VLYWRTTAFSVWTKVPRVLRNIAITGVATYTSCEFCCKGTADKOGSSFCCKLCPANSY 300  
 DB 241 VLYWRTTAFSVWTKVPRVLRNIAITGVATYTSCEFCCKGTADKOGSSFCCKLCPANSY 300  
 QY 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360  
 DB 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360  
 QY 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCAGTEPAVG 420  
 DB 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCAGTEPAVG 420  
 QY 421 FEYKMMNTLPTNMTETVLSGINFPEYKGMTGMEVAGDHITYAAGASDNDEFLTLVVGFR 480  
 DB 421 FEYKMMNTLPTNMTETVLSGINFPEYKGMTGMEVAGDHITYAAGASDNDEFLTLVVGFR 480  
 QY 481 PPOSVADTENKEVARITFEFETLCSVNCLELYMVGNSRNTNPVETWKSRSKOSYTYI 540  
 DB 481 PPOSVADTENKEVARITFEFETLCSVNCLELYMVGNSRNTNPVETWKSRSKOSYTYI 540  
 QY 541 IEENTTTSTFWARORTHEHASKRYTNDVAKIYSINVTNVMNGVASYCRCALEASDVGS 600  
 DB 541 IEENTTTSTFWARORTHEHASKRYTNDVAKIYSINVTNVMNGVASYCRCALEASDVGS 600  
 QY 601 SCTSCPAGYIIDRDSGTCHSCPNITLKAHQPYGVOACYPGCGPTGNKNIHSLCTYNDCTE 660  
 DB 601 SCTSCPAGYIIDRDSGTCHSCPNITLKAHQPYGVOACYPGCGPTGNKNIHSLCTYNDCTE 660  
 QY 661 SRMTPTRTFYNSALANVTYTLAGSPSTSKGLKTFHHTLSCGNQGRKMSVCTDNVTD 720  
 DB 661 SRMTPTRTFYNSALANVTYTLAGSPSTSKGLKTFHHTLSCGNQGRKMSVCTDNVTD 720  
 QY 721 LRPESESGSKSITAYVCOAVTIPEVMTGYKAGVSSQVSLADRLIGYTTMTLDGITS 780  
 DB 721 LRPESESGSKSITAYVCOAVTIPEVMTGYKAGVSSQVSLADRLIGYTTMTLDGITS 780  
 QY 781 PAELFHELESIGIPDVIFFYRSNDVYTGSCSSGRTTIRVBCSPQKTPGSLLPGTCSDDT 840  
 DB 781 PAELFHELESIGIPDVIFFYRSNDVYTGSCSSGRTTIRVBCSPQKTPGSLLPGTCSDDT 840  
 QY 841 CQOCNHFHFWESAACPLCSVADYHAIVSSCAVAGIOXTTYVYRREPKLCSGSLPEORVY 900  
 DB 841 CQOCNHFHFWESAACPLCSVADYHAIVSSCAVAGIOXTTYVYRREPKLCSGSLPEORVY 900  
 QY 901 ICTTIDFWLKVGISAGTCAITLTLTYCYFMKNOKLEKYSKLVMMNTATLKCDDLPADS 960  
 DB 901 ICTTIDFWLKVGISAGTCAITLTLTYCYFMKNOKLEKYSKLVMMNTATLKCDDLPADS 960  
 QY 961 CAIMGEDEVDDLIFTSKNSLGR 984  
 DB 961 CAIMGEDEVDDLIFTSKNSLGR 984

RESULT 11  
 US-10-143-114-38

; Sequence 38, Application US/10143114  
 ; Publication No. US20030036180A1  
 ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330RIC211  
 ; CURRENT APPLICATION NUMBER: US/10/143.114  
 ; PRIOR FILING DATE: 2002-05-09  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 38  
 ; LENGTH: 1013

; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: 877, 882  
 ; OTHER INFORMATION: unknown amino acid

US-10-143-114-38

Query Match 97.0%; Score 5341; DB 9; Length 1013;  
 Best Local Similarity 99.0%; Pred. No. 0;  
 Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHLSARVGRTERRIPLRLMLLWAGAFVYTGTEGELHACKSEHYEYTA 60  
 DB 1 MAEPGSHLSARVGRTERRIPLRLMLLWAGAFVYTGTEGELHACKSEHYEYTA 60  
 QY 61 CDSTGSRMRVAVPHTPGLCTSLDPVKGT ECFSCNAGEFLDMKDQSKPCAEGRYSLGT 120  
 DB 61 CDSTGSRMRVAVPHTPGLCTSLDPVKGT ECFSCNAGEFLDMKDQSKPCAEGRYSLGT 120  
 QY 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSSKWPVRGDIYAFNTDECTATLMTYA 180  
 DB 121 GIRDEMDLPHGFASLSANMELDDSAESTGNCSSKWPVRGDIYAFNTDECTATLMTYA 180  
 QY 181 VNLKOSGTVNEEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGMERHVELNNGNN 240  
 DB 181 VNLKOSGTVNEEYYPDSIIIEFFVONDQCPNADDSRMWKTTEKGMERHVELNNGNN 240  
 QY 241 VLYWRTTAFSVWTKVPRVLRNIAITGVATYTSCEFCCKGTADKOGSSFCCKLCPANSY 300  
 DB 241 VLYWRTTAFSVWTKVPRVLRNIAITGVATYTSCEFCCKGTADKOGSSFCCKLCPANSY 300  
 QY 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360  
 DB 301 SNKGETSCHODDPKYESEKSSCNVPRACDXYFTYHTACDANGETOIMYKMAKPKIC 360  
 QY 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCAGTEPAVG 420  
 DB 361 SEDLEGAVKLPASGVKTHCPNCNGFFKTNNSCTQPCPYGSSYSGSDCTRCAGTEPAVG 420  
 QY 421 FEYKMMNTLPTNMTETVLSGINFPEYKGMTGMEVAGDHITYAAGASDNDEFLTLVVGFR 480

Db	421	FEKMMWTLPEFNHETTVYLSGINEFYKMGIMGEVAGDHITTAAGASDNDEHILTLVYGR	480
Qy	481	PPQSVADTENKKEVARIITFEVETLCSVNCLELYFMVGNSHTNTPVETWKSJKOSYTYI	540
Db	481	PPQSVADTENKKEVARIITFEVETLCSVNCLELYFMVGNSHTNTPVETWKSJKOSYTYI	540
Qy	541	IEENTTTSFTMAQORTTFHEHASKRYNDVAKYISINTNYMNGVASCPCALAEADVGS	600
Db	541	IEENTTTSFTMAQORTTFHEHASKRYNDVAKYISINTNYMNGVASCPCALAEADVGS	600
Qy	601	SCSCAPAGYIYDRDQSGTCHSCPRPTILKAHQPGVQACVCGPGTKNNKIHSLCYNDCTF	660
Db	601	SCSCAPAGYIYDRDQSGTCHSCPRPTILKAHQPGVQACVCGPGTKNNKIHSLCYNDCTF	660
Qy	661	SRNTPRTFENYNSALANTYTLAGGSEFTSKGLKYFHNFHFLSLICGNGRKMVCSTQNVND	720
Db	661	SRNTPRTFENYNSALANTYTLAGGSEFTSKGLKYFHNFHFLSLICGNGRKMVCSTQNVND	720
Qy	721	LRIFEGSEGFKSTTAYVQCAVILIRPEVYTGKAGVSSQPVSLADRLIGVTTDLTDLGITS	780
Db	721	LRIFEGSEGFKSTTAYVQCAVILIRPEVYTGKAGVSSQPVSLADRLIGVTTDLTDLGITS	780
Qy	781	PAELFHELSLIGIPDYIEFFRYSNDVYOSCSGSRSTTIVKCSPOKTVYGSLLIPETCSGDT	840
Db	781	PAELFHELSLIGIPDYIEFFRYSNDVYOSCSGSRSTTIVKCSPOKTVYGSLLIPETCSGDT	840
Qy	841	CDGCGNFHFLMESAACPLCSVADYHAIYSSCVAVIOKTTYVMREPRKLCSSGSIISLPEQRYT	900
Db	841	CDGCGNFHFLMESAACPLCSVADYHAIYSSCVAVIOKTTYVMREPRKLCSSGSIISLPEQRYT	900
Qy	901	ICKTIDFWLKVGISAGCTAILLTVLCYFEMKKNOKLEKYSKLYMANATLKDCDLPADS	960
Db	901	ICKTIDFWLKVGISAGCTAILLTVLCYFEMKKNOKLEKYSKLYMANATLKDCDLPADS	960
Qy	961	CAIMGEDEVEDDLITFSKNHSLGR 984	
Db	961	CAIMGEDEVEDDLITFSKNHSLGR 984	

## RESULT 12

US-10-140-002-38

; Sequence 38, Application US/10140002

Publication No. US200300037623A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc  
APPLICANT: Eljzen

APPLICANT: FIVAIOLI, EILEEN  
Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven  
 ADDRESS: Sherwood, Victoria

APPLICANT: SMITH, VICTORIA  
APPLICANT: Stewart Timothy

APPLICANT: Tumas, Daniel  
APPLICANT: Stewar, Emily

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED

; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
PUB REFERENCE: P2330B1C59

FILE REFERENCE: P3330K1C39  
CURRENT APPLICATION NUMBER: US/10/140,002

CURRENT FILING DATE: 2002-05-06

Prior Application removed - See

NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 38

; LENGTH: 1013

; TYPE: PRT  
OBCANTSM.

ORGANISM: *Homo sapiens*

```

;      FEATURE:
;      NAME/KEY: unsure
;      LOCATION: 877, 882
;      OTHER INFORMATION: unknown amino acid
US-10-140-002-38

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Query Match 97.08; Score 5341; DB 9; Length 1013;

Best Local Similarity 99.0%; Pred. No. 0;

Matches	974;	Conservative	1;	Mismatches	9;	Indels	0;	Gaps	0;
---------	------	--------------	----	------------	----	--------	----	------	----

Qy	1	MAEPHSHHLSARVKGTERIPRIWMLLMMACTAOLVONOGPELHACKKESEYHXYTA	60
Db	1	MAEPHSHHLSARVRRTERIPRIWMLLMMACTAOLVONOGPELHACKKESEYHXYTA	60
Qy	61	CDSTSRKRVAVPHTPGLCTSLIPVYVGTGCSFSCNAGFEFLDMKDOSCKPCAEGRYSIGT	120
Db	61	CDSTSRKRVAVPHTPGLCTSLSDPYVGTGCSFSCNAGFEFLDMKDOSCKPCAEGRYSIGT	120
Qy	121	GIRFEDWDELPHGEFASLSANMELDDSAESTGUCTSKWYPRDGYIAFTWTDCTATLWYA	180
Db	121	GIRFEDWDELPHGEFASLSANMELDDSAESTGUCTSKWYPRDGYIASNTDCTATLWYA	180
Qy	181	VALKOSGVNVEYXXYPOSSIIIFEEFYONDOCPNADDSRMKKTKEGMEFHSVELRGNN	240
Db	181	VALKOSGVNVEYXXYPOSSIIIFEEFYONDOCPNADDSRMKKTKEGMEFHSVELRGNN	240
Qy	241	VLYMPTTAFSWTKPKPKPVLVRNLAITGVAVTSECPCKPGTYADKOGSSFCKLCPANSY	300
Db	241	VLYMPTTAFSWTKPKPKPVLVRNLAITGVAVTSECPCKPGTYADKOGSSFCKLCPANSY	300
Qy	301	SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKYFTYTHACDANGETOLMTWMAKPKIC	360
Db	301	SNKGETSCHOCDDPKYSEKSSSCNVRPACTDKYFTYTHACDANGETOLMTWMAKPKIC	360
Qy	361	SEDLGAYKVLPAASYKTHCPNCPNGEFTNNSTOCOPCYGSSYSGSDCTPCAPGTEPAWG	420
Db	361	SEDLGAYKVLPAASYKTHCPNCPNGEFTNNSTOCOPCYGSSYSGSDCTPCAPGTEPAWG	420
Qy	421	PEYKMMNLTPTMNETTVLSGINFPEYKGMGTGMEVAGDHIYTAAGAENDFMIILTLYVPGFR	480
Db	421	PEYKMMNLTPTMNETTVLSGINFPEYKGMGTGMEVAGDHIYTAAGAENDFMIILTLYVPGFR	480
Qy	481	PROSVADDETENKEVARITFEVETLCSVNCELYEMVGVNSRTNTPVEYWKSSKKKOSTYTA	540
Db	481	PROSVADDETENKEVARITFEVETLCSVNCELYEMVGVNSRTNTPVEYWKSSKKKOSTYTA	540
Qy	541	IEBENTTSTAFAFORTTHREASRKTNDVAVITSIANTNNWNGVASYCRFCALAEASPYGS	600
Db	541	IEBENTTSTAFAFORTTHREASRKTNDVAVITSIANTNNWNGVASYCRFCALAEASPYGS	600
Qy	601	SCJSCPAGYIIDRDSOTGSCPPNLTILKAHPYGVQACVPCCGPTKNNKJHSLCYNDCTF	660
Db	601	SCJSCPAGYIIDRDSOTGSCPPNLTILKAHPYGVQACVPCCGPTKNNKJHSLCYNDCTF	660
Qy	661	SRTPTRTFNYNFSALANTVTLAGSPSTSGKLKJFHHFTLSLGCNOGRKMAVCTDNVTD	720
Db	661	SRTPTRTFNYNFSALANTVTLAGSPSTSGKLKJFHHFTLSLGCNOGRKMAVCTDNVTD	720
Qy	721	LRIPEGBSGFSKSIYAYVOAVIITPEVYGYKAGYSSOPVSLADRLIGVTTDMTLDGITS	780
Db	721	LRIPEGBSGFSKSIYAYVOAVIITPEVYGYKAGYSSOPVSLADRLIGVTTDMTLDGITS	780
Qy	781	PAELFHLESJGIPDVYFFFRSDNDVYOSCSGGRSTYIRKCSPOKTVPGSLLPCTCSDGT	840
Db	781	PAELFHLESJGIPDVYFFFRSDNDVYOSCSGGRSTYIRKCSPOKTVPGSLLPCTCSDGT	840
Qy	841	CDGCFNPHFLWESAAACPLCSVADYHAIVSSCYAGIQTKTYVWREPKLCSGSIPLPEORYT	900
Db	841	CDGCFNPHFLWESAAACPLCSVADYHAIVSSCYAGIQTKTYVWREPKLCSGSIPLPEORYT	900
Qy	901	ICKTIDFWLKVGSAGTCTAIIILTVLTCYFMKKNNKLEKYSKLYMNAATLKDCLPADS	960
Db	901	ICKTIDFWLKVGSAGTCTAIIILTVLTCYFMKKNNKLEKYSKLYMNAATLKDCLPADS	960

[illegible]

Publication No. US2003036185A1  
GENERAL INFORMATION:  
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APPLICANT: Vernet, Corine  
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APPLICANT: Boldog, Ferenc  
APPLICANT: Herrmann, John  
TITLE OF INVENTION: Polynucleotides and polypeptides encoded thereby  
FILE REFERENCE: 15966-554 Cura-54 CON-58  
CURRENT APPLICATION NUMBER: US/10/002,304  
CURRENT FILING DATE: 2001-11-02  
PRIOR APPLICATION NUMBER: 09/604,286  
PRIOR FILING DATE: 2000-06-22  
PRIOR APPLICATION NUMBER: 60/140,584  
PRIOR FILING DATE: 1999-06-23  
NUMBER OF SEQ ID NOS: 49  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 20  
LENGTH: 464  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-002-304-20

Query Match 26.3%; Score 1448; DB 9; Length 464;  
Best Local Similarity 56.1%; Pred. No. 1.5e-101;  
Matches 257; Conservative 73; Mismatches 122; Indels 6; Gaps 6;

QY 103 MKDQSCPKCEGYSYSGTGRPEMDELPHGASLSANMLEDSDSAES-TGNCITSSKVP 161  
DB 1 MKNVYCSKCGEGYISLGSIGIKEDMDELPAGSNLAETMDYVGPDSRDPGNNSSMIP 60  
QY 162 RGDYIAFNDECATATMAYVNLKQSGTVNFEYYPDSSIIFFEFVQNDQCP-NADSRW 220  
DB 61 RGNVIESNRDCTVSLIYAVHLKSGYVEFEYQYVDNNIIFFEFQNDQCEMPTTDDKW 120  
QY 221 MKTTEKG-WFHSVELNRGNVLYMRTTAFSVYTKVPPVPLVRNIAITGAATSECFPC 279  
DB 121 VKLTDNGEMSHSVMLKSGSTNIIYMTTGLIMGSKAVPVLVKNITTEGVAYTSECFPC 180  
QY 280 PGTYIAFKQSGSPFKLTPASYSNKGFTSCHOC-DEPKYSEKSSSCNVRPACTKDYFT 338  
DB 181 PGTFNSKPGSEFNQVPRNTYSEKGAKECIKCKDSDQSEKSSSECTERPECTTKKDYFOI 240  
QY 339 HPAACDANGETOLMYKNAKPKICSEDLGAVKLPASGVYTHCPGCPNPGFFYTNSTCPCP 398  
DB 241 HTPCDEBGEKTOIMYKWIIEPKICREDLTDAIRLPSEGEKKDCPCPNPGFYNNSSSCHPCP 300  
QY 399 YGYSYSGS-DCTCRPAGTEPAGYGEYKMMNTLPTNMETTVLSGTFNEFKMTGTEVAGDH 457  
DB 301 PGTFSDGTIECPRCPTAGTEPAGYGEYKMMNVLPGMKTSCEFNAGNSKCDGANGGEVAGDH 360  
QY 458 IYTAAGASDNDEMILTLVYPGFRPQSVYADTENKEVARILFEVETLCSYNCETLFEVAVG 517  
DB 361 IOGGAGGSNDNDYLLNLHLPGEKFPPTS-MGATGSELGRIETFEVETLCSADCVLYTFMVDI 419  
QY 518 NSRTNTPVETWKGSGKQKOSTYIIIEENTTTTSFTFAFOR 555  
DB 420 NRRSTNVVESMGTEKEQAYTHIIIFKNATPFTFTWGIPIR 457

RESULT 15  
US-10-003-152-20  
Sequence 20, Application US/10003152  
Patent No. US20020151494A1  
GENERAL INFORMATION:  
APPLICANT: Shinkets, Richard  
APPLICANT: Fernandes, Elma  
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APPLICANT: Yang, Meljia  
APPLICANT: Boldog, Ferenc  
APPLICANT: Herrmann, John  
TITLE OF INVENTION: No. US20020151494A1el Amino Acid Sequences for Human Semaphorin-1

[illegible]

Search completed: March 12, 2003, 04:55:23  
Job time : 117 secs

